

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/IB2004/051719

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H05B41/392

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H05B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 623 187 A (HOLTSLAG ANTONIUS H ET AL) 22 April 1997 (1997-04-22) column 16, line 58 - column 17, line 19; figures 13,17 column 19, line 8 - line 21	1-3,5-9, 11
X	US 6 127 789 A (MINEGISHI KIYOSHI ET AL) 3 October 2000 (2000-10-03) column 9, line 14 - column 10, line 11; figure 5 column 12, line 10 - line 39; figure 7	1,8
A	DE 199 46 253 A (B & S ELEKTRONISCHE GERAETE GM) 12 April 2001 (2001-04-12) column 2, line 44 - line 54; figure 1	1-11
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Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

## \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
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- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \* & \* document member of the same patent family

Date of the actual completion of the international search

3 November 2004

Date of mailing of the international search report

12/11/2004

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6 137 238 A (ALVAREZ EDUARDO SALMAN ET AL) 24 October 2000 (2000-10-24) column 2, line 19 - column 3, line 6; figures 1a,1b -----	1-11

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/IB2004/051719

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5623187	A	22-04-1997	NONE	
US 6127789	A	03-10-2000	JP 10302976 A JP 10335085 A JP 11026173 A DE 19819510 A1	13-11-1998 18-12-1998 29-01-1999 12-11-1998
DE 19946253	A	12-04-2001	DE 19946253 A1	12-04-2001
US 6137238	A	24-10-2000	CA 2255732 A1 WO 9734464 A1	25-09-1997 25-09-1997